FORM PTO-1449

FORM PTO-1449 (Rev. 2-32) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO
Information Disclosure Statement by Applicant (Use several sheets if necessary)	PRU-101US	To Be Assigned
	APPLICANT Kevin K. Lehmann et al.	
	FILING DATE Herewith	GROUP 2877 ~~To Be Assigned~~

JC618 U.S. PTO 10/017367 12/12/01

U.S. PATENT DOCUMENTS

Exmr Initial		Document Number	Date	Name	Class	Sub Class	Filing Date
HP		1,719,443	07/02/1929	Nichterlein			
HP		3,402,364	09/17/1968	De Lang			
HP		3,711,788	01/16/1973	Forkner			
		3,976,368	08/24/1976	McCann et al.			
		3,982,203	09/21/1976	De Wit			
		4,161,436	07/17/1979	Gould			
HP		4,525,034	06/25/1985	Simmons			
		~~5,578,703~~	~~03/25/1986~~	~~Kane et al.~~ ?			
HP		4,677,639	06/30/1987	Sasser			
		4,740,986	04/26/1988	Reeder			
		4,746,201	05/24/1988	Gould			
		5,026,991	06/25/1991	Goldstein et al.			
		5,276,548	01/04/1994	Margalith			
		5,463,493	10/31/1995	Shah			
		5,483,342	01/09/1996	Rockwell			
		5,528,040	06/18/1996	Lehmann			
		5,835,231	11/10/1998	Pipino			
		5,912,740	06/15/1999	Zare et al.			
		5,973,864	10/26/1999	Lehmann et al.			
HP		6,097,555	08/01/2000	Lehmann et al.			
HP		6,172,823	01/09/2001	Lehmann et al.			

FOREIGN PATENT DOCUMENTS

Exmr Initial		Document Number	Date	Country	Class	Sub Class	Translation YES	NO
HP		63013386	01/20/1988	Japan (AbstractOnly)				

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

HP		1)	J. White, Long Optical Paths of Large Aperture, 32 *J. Opt. Soc. Amer.*, 285 (May, 1942).
HP		2)	D. Heriott et al., Off-Axis Paths in Spherical Mirror Interferometers, 3 *Appl. Opt.* (4), 523 (Apr., 1964).
HP		3)	A. O'Keefe & D. Deacon, Cavity Ring-Down Optical Spectrometer for Absorption Measurements Using Pulsed Laser Sources, 59 *Rev. Sci. Instrum.*, 2544 (Dec., 1988).

Examiner		Date Considered	9/4/03

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

FORM PTO-1449 (Rev. 2-32) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO
Information Disclosure Statement by Applicant (Use several sheets if necessary)	PRU-101US	To Be Assigned
	APPLICANT Kevin K. Lehmann et al.	
	FILING DATE Herewith	GROUP 2877 ~~To Be Assigned~~

JC618 U.S. PTO 10/017367 12/12/01

OTHER DOCUMENTS
(Including Author, Title, Date, Pertinent Pages, Etc.)

KP		4)	D. Romanini & K. Lehmann, Ring-Down Cavity Absorportionn Spectroscopy of the Very Weak HCN Overtone Bands With Six, Seven, and Eight Stretching Quanta, 99 *J. Chem. Phys.* (9), 6287 (Nov. 1, 1993)
KP		5)	G. Rempe et al., Measurement of Ultralow Losses in an Optical Interferometer, 17 *Opt. Letters* (5), 363 (Mar. 1, 1992).
		6)	T. Yu & M. Lin, Kinetics of Phenyl Radical Reactions Studied by the "Cavity-Ring-Down" Method, 115 *J. Am. Chem. Soc.*, 4371 (1993).
		7)	G. Meijer et al., Coherent Cavity Ring Down Spectroscopy, 217 *Chemical Physics Letters* (1,2), 112 (Jan. 7, 1994).
		8)	J. Scherer et al., Cavity Ring Down Dye Laser Spectrosopy of Jet-Cooled Metal Clusters: CU_2 and CU_3, 172 *Chemical Physics Letters* (3,4), 214 (Sep. 7, 1990).
		9)	F. Stoelkel & G. Atkinson, Time Evolution of a Broadband Quasi-cw Dye Laser: Limitation of Sensitivity in Intracavity Laser Spectroscopy, 24 *Applied Optics* (21), 3591 (Nov. 1, 1985).
		10)	K. Lehmann & D. Romanini, Molecules in the Stellar Environment, *Experimental Measurement of Weak Band Intensities in Molecules in the Stellar Environment*, (Springer, 1994).
		11)	G. Gould et al., Crossed Roof Prism Interferometer, 1 *Applied Optics* (4), 533 (July 1962).
		12)	A. Pipino et al., Evanascent Wave Cavity Ring-Down Spectroscopy with a Total-Internal Reflection Minicavity, 68 (8) *Rev. Sci, Instrum.*, 2978 (August 1997).
		13)	Stewart G, Atherton K, Yu H, Culshaw B. "An investigation of an optical fibre amplifier loop for intra-cavity and ring-down cacity loss measurements." *Meas. Sci. Technol.* 12: 843-849 (2001).
		14)	Dmitriev AL, Yanshen Z, Xinyu M. "Optical-fiber passive ring resonator in a low-mode radiation-propogration regime." *J. Opt. Technol.* 67: 219-221 (2000)
		15)	Blair S, Chen Y. "Resonant-enhanced evanescent-wave fluorescence biosensing with cylindrical optical cavities." *Applied Optics*. 40: 570-582 (2001)
		16)	Littlejohn D, Lucas D, Han L. "Bent Silica Fiber Evanescent Absorption Sensors for Near-Infrared Spectroscopy." *Applied Spectroscopy*. 53: 845-849 (1999)
		17)	Messica A, Greenstein A, Katzir A. "Theory of fiber-optic evanescent-wave spectroscopy and sensors." *Applied Optics* 35: 2274-2284 (1996)
KP		18)	Trautmann et al., "Determination of the Deuterium Abundance in Water Using a CW Chemical DF Laser", *Appl Phys.*, 24: No. 1, 49-53 (1981)
KP		19)	Spammer, S, Swart, P, Booysen, A. "Interferometric distributed optical-fiber sensor", *Applied Optics* Vol. 35, No. 22: 4522-4525 (August 1996)

Examiner	Date Considered 9/4/03

Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.